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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/693,787	10/24/2003	Sehat Sutardja	MP0400	2332	
26703	7590 10/23/2006		EXAMINER		
HARNESS, DICKEY & PIERCE P.L.C. 5445 CORPORATE DRIVE			PATEL, RAJNIKANT B		
SUITE 400			ART UNIT	PAPER NUMBER	
TROY, MI 48098			2838		

2838

DATE MAILED: 10/23/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

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<u></u>	-	Applicat	tion No.	Applicant(s)			
Office Action Summary		10/693,	787	SUTARDJA, SEHA	AT		
		Examine	er	Art Unit			
			t B. Patel	2838			
Period fo	The MAILING DATE of this commun or Reply	ication appears on th	he cover sheet wit	h the correspondence ad	dress		
WHI(- Exte after - If NO - Failt Any	ORTENED STATUTORY PERIOD FOR CHEVER IS LONGER, FROM THE MINISTORS of time may be available under the provisions SIX (6) MONTHS from the mailing date of this common period for reply is specified above, the maximum stature to reply within the set or extended period for reply reply received by the Office later than three months are depatent term adjustment. See 37 CFR 1.704(b).	AILING DATE OF T of 37 CFR 1.136(a). In no e nunication. atutory period will apply and will, by statute, cause the apply	THIS COMMUNIC event, however, may a re will expire SIX (6) MONT oplication to become ABA	ATION. ply be timely filed HS from the mailing date of this or ANDONED (35 U.S.C. § 133).			
Status							
1) 🏹	Responsive to communication(s) file	d on 31 August 200	16 .				
,	•	2b) This action is					
3)	, -						
Disposit	ion of Claims						
5) 6) 7)	Claim(s) 1-243 is/are pending in the 4a) Of the above claim(s) is/are Claim(s) is/are allowed. Claim(s) is/are rejected. Claim(s) is/are objected to. Claim(s) 1-243 are subject to restrict	re withdrawn from c					
Applicat	ion Papers						
• —	The specification is objected to by the						
10)	The drawing(s) filed on is/are:						
	Applicant may not request that any object	- · · ·			ED 4 404(4)		
11)	Replacement drawing sheet(s) including The oath or declaration is objected to						
Priority	under 35 U.S.C. § 119						
a)	Acknowledgment is made of a claim All b) Some * c) None of: 1. Certified copies of the priority 2. Certified copies of the priority 3. Copies of the certified copies application from the Internation See the attached detailed Office action	documents have be documents have be of the priority docun nal Bureau (PCT Ru	een received. een received in Ap nents have been i ule 17.2(a)).	oplication No received in this National	Stage		
Attachmer	nt(s) ce of References Cited (PTO-892)		4) Interview S	ummary (PTO-413)			
2) Noti	ce of References Cited (P10-892) ce of Draftsperson's Patent Drawing Review (P mation Disclosure Statement(s) (PTO/SB/08) er No(s)/Mail Date	TO-948)	Paper No(s)	/Mail Date formal Patent Application			

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Election/Restrictions

1. This application contains claims directed to the following patentably distinct species: of the claimed invention:

- 2. I. The embodiment illustrated in figures 1A, 5A-B and 17A are describing coupled inductor regulator includes auto-sensing and auto-control.
- 3. II. The embodiment illustrated in figures 1B and 9B are describing conduction switch and conduction switch array.
- 4. III. The embodiment illustrated in figures 2A-C, 3A-B, 4A-B, 5 and 9A and 9C are describing 2:1 buck and 1:2 boost regulators.
- 5. IV. The embodiment illustrated in figures 6A-C and 16A-C are describing buck, boost and fly-back configuration coupled inductor regulator having four inductors.
- 6. V. The embodiment illustrated in figures 7A-C are describing LDO regulator and LDO regulator with 2:1 regulator.
- 7. VI. The embodiment illustrated in figures 10A-B, 11 are describing multiple 2:1 regulators and multiple coupled inductor regulators.
- 8. VII. The embodiment illustrated in figures 12A-B are describing amplifier system.
- 9. VIII. The embodiment illustrated in figure 13 is describing vehicle electrical system.
- 10. IX. The embodiment illustrated in figure 14 is describing power system and digital logic.
- 11. X. The embodiment illustrated in figure 17B is describing auto-sensing buck converter.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claim is generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In

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either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103 (a) of the other invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rajnikant B. Patel whose telephone number is 571-272-2082. The examiner can normally be reached on 6.30-5.00; m-f.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Karl Easthom can be reached on 571-272-1989. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

> Rajnikant B Patel Primary Examiner

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